

What is Claimed is:

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1. A power control method of a base station in a multilayered communication system comprising:

(a) determining if a mobile station is within a soft handoff region between a macrocell region and a picocell region;

(b) performing a power control such that a transmission power level of said mobile station is not lowered, if said mobile station is determined to be within said soft handoff region and if a soft handoff of said mobile station is required.

2. A method of claim 1, wherein in (b), the transmission power level of said mobile station is not lowered during a transmission of an extended handoff direction message and a handoff complete message.

3. A method of claim 2, wherein in (b), a base station which provides service to said picocell performs a power control to maintain the transmission power level of said mobile station.

4. A method of claim 2, wherein in (b), a base station which provides service to said picocell performs a power control to increase the transmission power level of said mobile station.

5. A method of claim 1, wherein in (b), a base station which provides service to said picocell performs a power control to maintain the transmission power level of said mobile station.

6. A method of claim 1, wherein in (b), a base station which provides service to said picocell performs a power control to increase the transmission power level of said mobile station.

7. A method of claim 1, wherein in (b), a reverse link coverage of said picocell is set greater than a forward link coverage of said picocell.

8. A method of claim 7, wherein controlling a level of transmission power of a base station which provides service to said picocell to set said forward link coverage relatively equal to a size of said picocell.

9. A method of claim 8, wherein setting said reverse link coverage greater than said forward link coverage by not attenuating signal waves when received by a base station which provides service to said picocell.

10. A method of claim 7, wherein setting said reverse link coverage greater than said forward link coverage by not attenuating signal waves when received by a base station which provides service to said picocell.

11. A power control method of a base station in a multilayered communication system comprising:

(a) determining if a mobile station is within a soft handoff region between a macrocell region and a picocell region;

(b) setting a reverse link coverage of said picocell greater than a forward link coverage

of said picocell, if said mobile station is determined to be within said soft handoff region and if a soft handoff of said mobile station is required; and

(c) performing a power control such that a transmission power level of said mobile station is not lowered during a transmission of an extended handoff direction message and a handoff complete message, if said mobile station is determined to be within said soft handoff region and if a soft handoff of said mobile station is required.

12. A method of claim 11, wherein in (c), a base station which provides service to said picocell performs a power control to maintain the transmission power level of said mobile station.

13. A method of claim 12, wherein in (b), controlling a level of transmission power of a base station which provides service to said picocell to set said forward link coverage relatively equal to a size of said picocell.

14. A method of claim 12, wherein in (b), setting said reverse link coverage greater than said forward link coverage by not attenuating signal waves when received by a base station which provides service to said picocell.

15. A method of claim 11, wherein in (c), a base station which provides service to said picocell performs a power control to increase the transmission power level of said mobile station.

16. A method of claim 15, wherein in (b), controlling a level of transmission power of

a base station which provides service to said picocell to set said forward link coverage relatively equal to a size of said picocell.

17. A method of claim 15, wherein in (b), setting said reverse link coverage greater than said forward link coverage by not attenuating signal waves when received by a base station which provides service to said picocell.

18. A method of claim 11, wherein in (b), controlling a level of transmission power of a base station which provides service to said picocell to set said forward link coverage relatively equal to a size of said picocell.

19. A method of claim 11, wherein in (b), setting said reverse link coverage greater than said forward link coverage by not attenuating signal waves when received by a base station which provides service to said picocell.

20. A power control method of a base station in a multilayered communication system comprising:

(a) determining if a mobile station is within a soft handoff region between a macrocell region and a picocell region;

(b) setting a reverse link coverage of said picocell greater than a forward link coverage of said picocell, if said mobile station is determined to be within said soft handoff region and if a soft handoff of said mobile station is required, wherein controlling a level of transmission power of a base station which provides service to said picocell to set said forward link coverage

